

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade Name:

Name: Azoxystrobin 200 g/l + Difenoconazole 150 g/l SC

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1 Relevant identified uses**

Main use category : Fungicide. Agriculture use

**1.3. Details of the supplier of the safety data sheet**

Willowood Chemicals Private Limited  
Plot No. 69/P, Village - Manjusar, Taluka - Savli,  
Dist. Vadodara – 391775  
India

Tele Fax Number : 91 2667 264701

Email: info@shreejipesticides.com

Web address: <https://www.willowood.com>**1.4. Emergency telephone number****In case of Poisoning:****Emergency number**

Poison Information Centre

0824468946, 02667-292921

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

Acute toxicity, Category 4 H302: Harmful if swallowed.

Acute toxicity, Category 4 H332: Harmful if inhaled.

Skin sensitisation, Sub-category 1B H317: May cause an allergic skin reaction.

Short-term (acute) aquatic hazard, Category 1 H400: Very toxic to aquatic life.

Long-term (chronic) aquatic hazard, Category 1 H410: Very toxic to aquatic life with long lasting effects

**2.2. Label Elements:**

GHS Signal Word: Warning

**GHS Hazard Phrases:**

H302 + H332 Harmful if swallowed or if inhaled.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

**GHS Precaution Phrases:**

P102 Keep out of reach of children.

Prevention:

P261 Avoid breathing mist or vapours.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves.

Response:

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P391 Collect spillage.

**2.3. Other hazards**

No other hazards known

**SECTION 3: Composition/Information on Ingredients**

CAS	Chemical name	Concentration	EC No.	GHS Classification
131860-33-8	Azoxystrobin	200g/L	607-256-00-8	Acute Tox. 3; H331 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
119446-68-3	Difenoconazole	150g/L	-	Acute Tox. 4; H302 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410

**SECTION 4: FIRST AID MEASURES****4.1 Description of First Aid Measures**

General advice : Have the product container, label or Safety Data Sheet with you when calling the emergency number, a poison control center or physician, or going for treatment.

If inhaled : Move the victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or poison control centre immediately.

In case of skin contact : Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

If swallowed : If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

**4.2 Most important symptoms and effects, both acute and delayed**

Symptoms : Nonspecific No symptoms known or expected.

4.3 Indication of any immediate medical attention and special treatment needed Treatment : There is no specific antidote available. Treat symptomatically.

**SECTION 5: FIRE FIGHTING MEASURES****5.1 Extinguishing media**

Suitable extinguishing media : Extinguishing media - small fires Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media - large fires Alcohol-resistant foam or Water spray

Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

**5.2 Special hazards arising from the substance or mixture**

Specific hazards during firefighting : As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health.

**5.3 Advice for firefighters**

Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus.

Further information : Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Refer to protective measures listed in sections 7 and 8.

**6.2 Environmental precautions**

Environmental precautions : Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

**6.3 Methods and material for containment and cleaning up**

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Clean contaminated surface thoroughly.

Clean with detergents. Avoid solvents.

Retain and dispose of contaminated wash water.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions To Be Taken in Handling:

No special protective measures against fire required. Avoid contact with skin and eyes. When using do not eat, drink or smoke.

### 7.2 Precautions To Be Taken in Storing:

Requirements for storage areas and containers: No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.

Further information on storage stability

7.3 Specific end use(s): Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

## SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

### 8.1 Exposure Parameters:

Components	CAS-No.	Value type (Form of exposure)	Control parameters
azoxystrobin (ISO)	131860-33-8	TWA	4 mg/m <sup>3</sup>
difenconazole	119446-68-3	TWA	5 mg/m <sup>3</sup>

### 8.2 Exposure Controls:

#### 8.2.1 Engineering Controls (Ventilation etc.):

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

#### 8.2.2 Personal protection equipment:

Respiratory protection

Respiratory protection is not required under anticipated circumstances of exposure. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

Hand protection

Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness of 0,4 mm). Wash when contaminated and dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.

Eye protection

Wear goggles (conforming to EN166, Field of Use = 5 or equivalent).

Skin and body protection

Wear standard coveralls and Category 3 Type 6 suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently. If chemical protection suit is splashed, sprayed or significantly contaminated, decontaminate as far as possible, then carefully remove and dispose of as advised by manufacturer.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form granule

Colour off-white liquid

PH 5.0-8.0

Persistent Foam, ml 1min ≤ 40

SUSPENSIBILITY% ≥ 90

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity:

Stable under normal conditions

### 10.2 Stability:

Stable under recommended storage conditions.

### 10.3 Polymerization:



Will not occur

#### 10.4 Incompatibility – Materials To Avoid:

Extremes of temperature and direct sunlight.

## SECTION 11: TOXICOLOGICAL INFORMATION

Product:

Acute oral toxicity : LD50 (Mouse, male and female): 1,424 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): 2.06 - < 5.17 mg/l Exposure time: 4 h

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg

Skin corrosion/irritation Product: Species : Rabbit Result : No skin irritation

Serious eye damage/eye irritation Product: Species : Rabbit Result : No eye irritation

Respiratory or skin sensitisation Product: Test Type : Buehler Test Species : Guinea pig Result : The product is a skin sensitiser, sub-category 1B

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 1.7 mg/l Exposure time: 96 h

LC50 (Cyprinus carpio (Carp)): 4.2 mg/l Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 1.1 mg/l Exposure time: 48 h

Toxicity to algae/aquatic plants: ErC50 (Raphidocelis subcapitata (freshwater green alga)): 3.9 mg/l Exposure time: 96 h

NOEC (Raphidocelis subcapitata (freshwater green alga)): 0.23 mg/l End point: Growth rate Exposure time: 96 h

### 12.2. Persistence and degradability

azoxystrobin (ISO):

Biodegradability : Result: Not readily biodegradable.

Stability in water : Degradation half life: 214 d

Remarks: The substance is stable in water.

difenconazole:

Biodegradability : Result: Not readily biodegradable.

Stability in water : Degradation half life: 1 d

Remarks: Product is not persistent.

### 12.3. Bioaccumulative potential

azoxystrobin (ISO):

Bioaccumulation : Remarks: Does not bioaccumulate.

difenconazole:

Bioaccumulation : Remarks: High bioaccumulation potential.

Partition coefficient: octanol/water : log Pow: 4.4 (25 ° C)

### 12.4. Mobility in soil

azoxystrobin (ISO): Distribution among environmental compartments: Remarks: Azoxystrobin has low to very high mobility in soil.

Stability in soil : Dissipation time: 80 d

Percentage dissipation: 50 % (DT50)

Remarks: Product is not persistent.

difenconazole:

Distribution among environmental compartments : Remarks: Low mobility in soil.

Stability in soil : Dissipation time: 149 - 187 d

Percentage dissipation: 50 % (DT50)

Remarks: Product is not persistent.

### 12.5. Results of PBT and vPvB assessment

Product: Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6. Other adverse effects

Other relevant hazardous effects in the environment are not known

## SECTION 13: DISPOSAL

### 13.1 Product disposal:

Product : Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with



local regulations.

**13.2 Container disposal:**

Contaminated packaging : Empty remaining contents. Triple rinse containers. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Do not re-use empty containers.

**SECTION 14: TRANSPORT INFORMATION**

UN number : 3082

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AZOXYSTROBIN AND DIFENOCÓNÁZOLE)

Class : 9

Packing group : III

Environmental hazards ..... Marine pollutant

Labelling No. : 9

**SECTION 15: ECOLOGICAL INFORMATION**

NA

**SECTION 16: OTHER INFORMATION**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification, since the conditions of the operations mentioned are beyond our control. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text. Willowood disclaims any liability for loss or damage resulting from the use of these data, information or suggestions.

Other data

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